

# Working with Extended File Properties

Each saved file includes several extended properties which can be retrieved as needed.

For example:

- Date created / date modified / date last accessed
- File size / file type / author / location

Certain types of file will also contain additional extended properties including:

- Height / width / horizontal resolution / vertical resolution / bit size (image files)
- Contributing artist / album / year / genre / title / track # / length / bit rate (audio files)

NOTE:

There are currently a total of 310 extended properties which may be stored though not all for the same type of file. The details MAY vary depending on the computer used & Windows/Office version.

This database provides a simple way of obtaining all the extended properties for a single file or all files of a specified type in a selected folder.

The code used to get extended properties uses **GetDetailsOf** member of the **Shell32.dll** library folder  
The VBA reference library **Windows Shell Controls and Automation** is required

All features are available from the main screen though some items will be disabled or hidden at first:

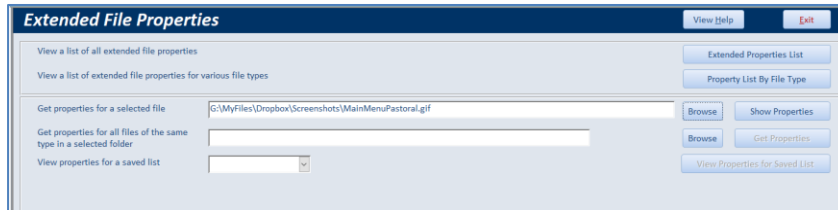
## 1. Extended Properties List

Click the Extended Properties List button to view a list of all extended properties available for your computer system

Extended File Properties List	
ID	Extended Property
0	Name
1	Size
2	Item type
3	Date modified
4	Date created
5	Date accessed
6	Attributes
7	Offline status
8	Availability
9	Perceived type
10	Owner
11	Kind
12	Date taken
13	Contributing artist
14	Album
15	Year
16	Genre
17	Conductors
18	Tags
19	Rating
20	Authors
21	Title
22	Subject
23	Categories
24	Comments
25	Copyright
26	#
27	Length
28	Bit rate
29	Protected
30	Camera model
31	Dimensions
32	Camera maker
33	Comment
34	File description
35	Master keywords
36	Master keywords
37	Program name
38	Duration
39	Location
40	Is recurring
41	Location
42	Optional attendee addresses
43	Optional attendees
44	Organizer address
45	Organizer name
46	Reminder time
47	Required attendee addresses
48	Required attendees
49	Resources
50	Extended Property
51	Meeting status
52	Free/busy status
53	Total size
54	Account name
55	Task status
56	Computer
57	Administrator
58	Assistant's name
59	Assistant's phone
60	Birthday
61	Business address
62	Business city
63	Business country/region
64	Business P.O. box
65	Business postcode
66	Business country/region
67	Business street
68	Business fax
69	Business home page
70	Business phone
71	Landback number
72	Car phone
73	Children
74	Company main phone
75	Department
76	Email address
77	Email
78	Email
79	Email list
80	Email display name
81	Files
82	First name
83	Full name
84	Gender
85	Given name
86	Hobbies
87	Home address
88	Home city
89	Home country/region
90	Home P.O. box
91	Home postcode
92	Home country/region
93	Home street
94	Home fax
95	Home phone
96	Initials
97	Initials
98	Job title
99	Label
100	Surname
101	Postal address

## 2. Extended Properties for a file

Click the top **Browse** button and select a file. Click the **Show Properties** button which is now enabled:



The dialog box titled "Extended File Properties" has a blue header bar with "View Help" and "Exit" buttons. It contains several sections: "View a list of all extended file properties" with an "Extended Properties List" button; "View a list of extended file properties for various file types" with a "Property List By File Type" button; "Get properties for a selected file" with a text box containing "G:\MyFiles\Dropbox\Screenshots\MainMenuPastoral.gif" and "Browse" and "Show Properties" buttons; "Get properties for all files of the same type in a selected folder" with a text box and "Browse" and "Get Properties" buttons; and "View properties for a saved list" with a text box and a "View Properties for Saved List" button.

After a few seconds, a report will open with the extended properties for the selected file:

Extended File Properties :	
G:\MyFiles\Dropbox\Screenshots\MainMenuPastoral.gif	
ID	Extended Property
0	Name
1	Size
2	Item type
3	Date modified
4	Date created
5	Date accessed
6	Attributes
9	Perceived type
10	Owner
11	Kind
19	Rating
31	Dimensions
57	Total size
61	Computer
164	File extension
165	Filename
169	Space free
174	Bit depth
175	Horizontal resolution
176	Width
177	Vertical resolution
178	Height
187	Shared
190	Folder name
191	Folder path
192	Folder
194	Path
196	Type
202	Link status
254	Space used
294	Shared with
295	Sharing status
Number of extended properties 32	

The list of extended properties available for that type of file has also been saved.

The **Property List By File Type** button is now also enabled. Click to view a summary report.

The example below shows the first page of a report with extended properties for 10 different file types  
The report can display up to 36 different file types

## Extended Properties by File Type

1. Extended properties may have different IDs depending on the computer used and Windows / Office version  
 2. For certain extended property IDs, property names vary for different file types. Where an extended property name isn't in use for a specific file type, the checkbox is 'greyed out'

ID	Extended Property	File Types									
		ACCT	DL	DOCX	MP3	MP4	PDF	RTF	TEXT	XLSX	ZIP
0	Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	Size	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Item type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	Date modified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Date created	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Date accessed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Attributes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	Offline status	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Availability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Perceived type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10	Owner	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11	Kind	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12	Date taken	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	Contributing artists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	Album	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	Year	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	Genre	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	Conductors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	Tags	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	Rating	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20	Authors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	Title	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	Subject	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	Categories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	Comments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	Copyright	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	#	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27	Length	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28	Bit rate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29	Protected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	Camera model	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31	Dimensions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32	Camera maker	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33	Company	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

09 March 2019

Page 1 of 15

NOTE: This is an example of a 'dynamic crosstab report'. Column headings are automatically updated each time extended properties are saved for additional file types

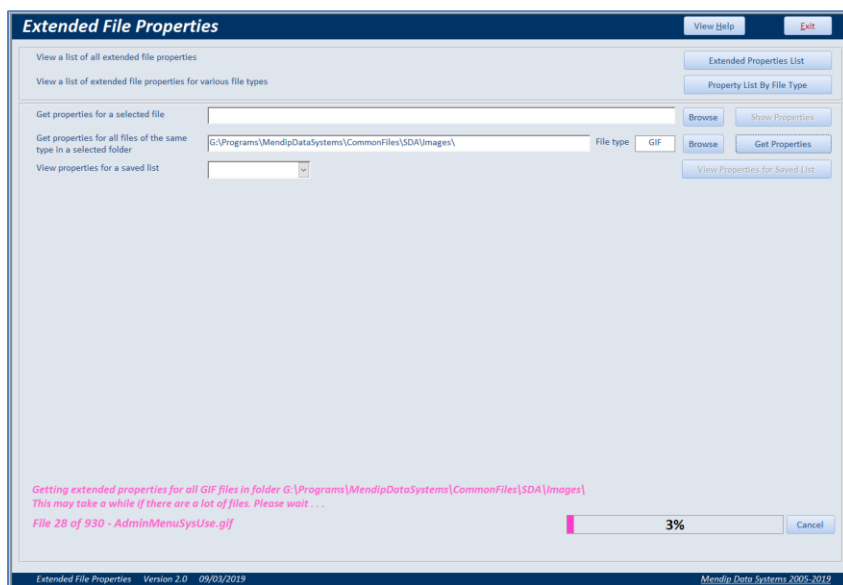
### 3. **Extended Properties for all files of a selected type in a folder**

Click the bottom **Browse** button and select a file of the required type.

Click the **Get Properties** button

The program will loop through all files of that type collecting the attribute details.

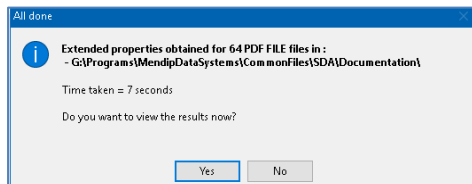
A progress bar is updated as each file is processed



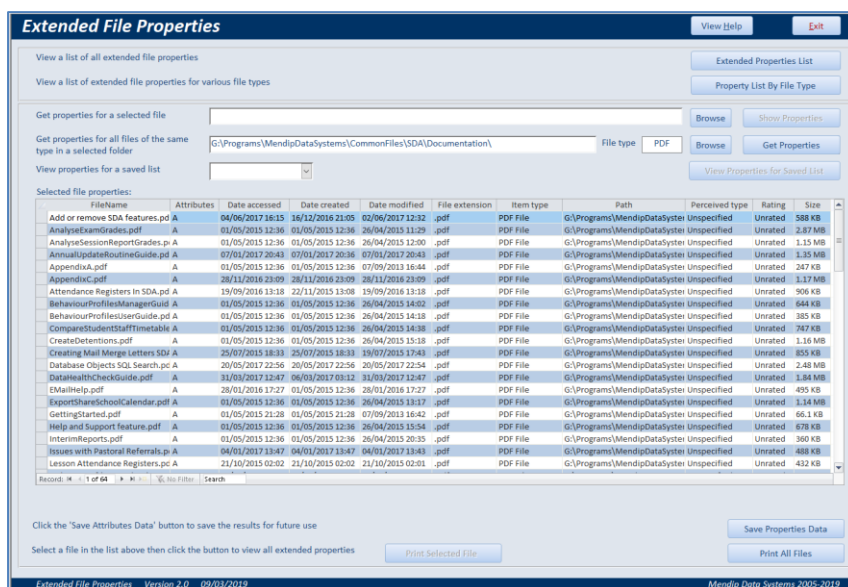
NOTE: This may take several minutes if there are many files to process.

If this is taking too long, use the **Cancel** button to end the process

When the process has completed, a message like this will be displayed:



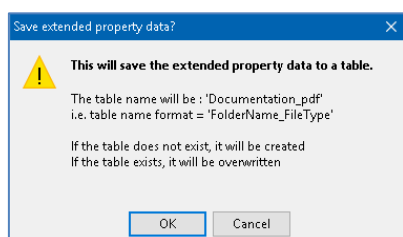
Click **Yes** to view a selected list of extended properties for each file



As before, the extended properties summary details for this file type are also saved.

Several additional features are now available:

- Click the **Save Properties Data** button to save these details for future use if required.  
A message like this will appear:

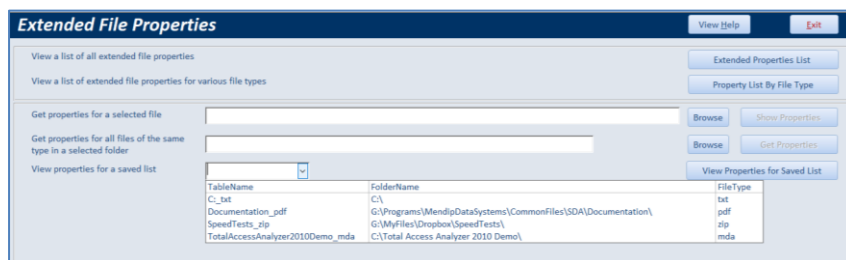


Click **OK** to save the data

- Click a file name from the list. The **Print Selected File** button is then enabled.  
Click the button to view a report listing all extended properties for the selected file
- Click the **Print All Files** button to view a report listing extended properties for each file in the list

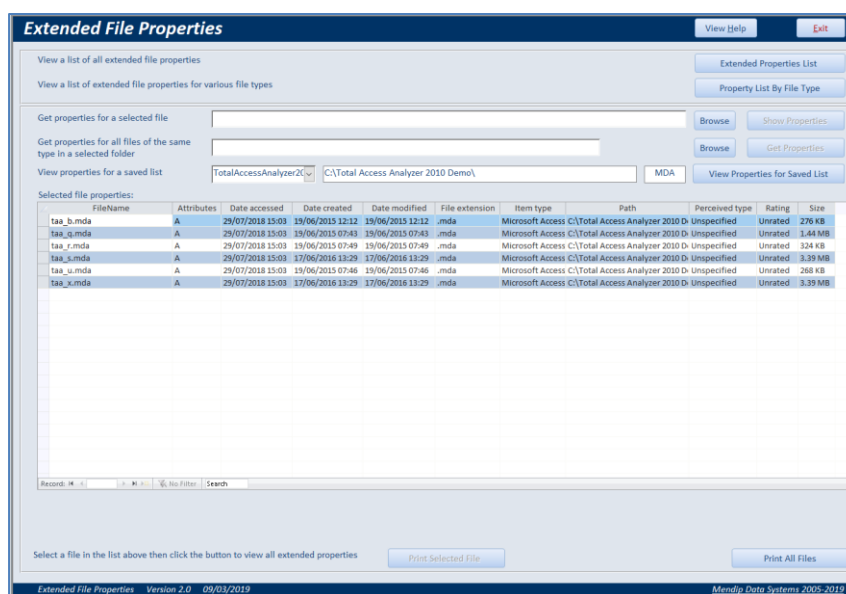
#### 4. View Extended Properties for a saved list

Select a previously saved list using the combo box as shown below:



Now click the **View Properties for a Saved List** button.

The extended properties summary will appear immediately as shown below:



=====

If you have any comments or suggestions, please email: [info@mendipdatasystems.co.uk](mailto:info@mendipdatasystems.co.uk)